

BEST AVAILABLE COPY

PATENT

Serial No. 10/506,933

Amendment in Reply to Office Action mailed on December 15, 2005

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An image display apparatus (400) comprising:
- means (402) for receiving a video stream representing a series (100) of consecutive input images (104-108), with the series (100) of consecutive input images comprising a first image (108) and a second image (106); and
 - a display device (406) for displaying a series (102) of consecutive output images (110-114) which are based on the series (100) of consecutive input images (104-108), characterized in that wherein the image display apparatus (400) is arranged:
 - to split the consecutive input images into respective first parts (128-132) and respective second parts (116-120); and
 - to display a first one (112) of the output images (110-114)

BEST AVAILABLE COPY

PATENT

Serial No. 10/506,833

Amendment in Reply to Office Action mailed on December 15, 2005

comprising a first block of pixels ~~(136)~~ corresponding to the first part ~~(132)~~ of the first input image ~~(108)~~ and a second block of pixels ~~(124)~~ corresponding to the second part ~~(113)~~ of the second input image ~~(106)~~; the image display apparatus further comprising:

- a character analyzer designed to search for textual information in the first parts; and
- a comparing unit for comparing parts of the textual information with a predetermined string of characters.

2. (Currently Amended) ~~An~~ The image display apparatus ~~(400)~~ as claimed in Claim 1, ~~characterized in that wherein~~ the first parts ~~(128-132)~~ correspond to respective portions of a banner ~~(300)~~.

3. (Currently Amended) ~~An~~ The image display apparatus ~~(400)~~ as claimed in Claim 1, ~~characterized in that wherein~~ the first parts correspond to a subtitle.

4. (Currently Amended) ~~An~~ The image display apparatus ~~(400)~~ as claimed in Claim 1, ~~characterized in further~~ comprising user interface means ~~(200)~~ to provide location information of the first

BEST AVAILABLE COPY

PATENT

Serial No. 10/506,833

Amendment in Reply to Office Action mailed on December 15, 2005

parts ~~(128-132)~~ to control splitting of the images of the series ~~(100)~~ of consecutive input images ~~(104-108)~~.

5. (Currently Amended) ~~An~~ The image display apparatus ~~(400)~~ as claimed in Claim 4, ~~characterized in further~~ comprising a first memory device for storage of the location information.

6. (Currently Amended) An image display apparatus ~~(400)~~ as claimed in Claim 2, ~~characterized in comprising:~~

- means for receiving a video stream representing a series of consecutive input images, with the series of consecutive input images comprising a first image and a second image; and
- a display device for displaying a series of consecutive output images which are based on the series of consecutive input images, wherein the image display apparatus is arranged:
 - to split the consecutive input images into respective first parts and respective second parts; and
 - to display a first one of the output images comprising a first block of pixels corresponding to the first part of the first input image and a second block of pixels corresponding to the

BEST AVAILABLE COPY

PATENT

Serial No. 10/506,833

Amendment in Reply to Office Action mailed on December 15, 2005

second part of the second input image;

- a motion estimation unit for estimating motion in the first

parts ~~(128-132)~~;

- processing means to calculate a time period during which a particular part of the ~~banner moves~~ first parts moves from a first predetermined location relative to the display device ~~(406)~~ to a second predetermined location relative to the display device; and

- a selector to select a further one ~~(128)~~ of the first parts ~~(128-132)~~ of a further input image ~~(104)~~, on basis of the time period.

7. (Currently Amended) ~~An~~ The image display apparatus ~~(400)~~ as claimed in Claim 6, ~~characterized in further~~ comprising a second memory device ~~(516)~~ for storing the further one ~~(128)~~ of the first parts ~~(128-132)~~.

Claim 8 (Canceled)

9. (Currently Amended) A method of displaying a series ~~(102)~~ of consecutive output images ~~(110-114)~~ which are based on a series

BEST AVAILABLE COPY

PATENT

Serial No. 10/506,833

Amendment in Reply to Office Action mailed on December 15, 2005

~~(100)~~ of consecutive input images ~~(104-108)~~, with the series ~~(100)~~ of consecutive input images ~~(104-108)~~ comprising a first image ~~(108)~~ and a second image ~~(106)~~, ~~characterized in that the method comprises comprising the acts of:~~

- ~~- a splitting step of splitting the consecutive input images into respective first parts ~~(128-132)~~ and respective second parts ~~(116-120)~~; and~~
- ~~- a display step of displaying a first one ~~(112)~~ of the output images ~~(110-114)~~ comprising a first block of pixels ~~(136)~~ corresponding to the first part ~~(132)~~ of the first input image ~~(108)~~ and a second block of pixels ~~(124)~~ corresponding to the second part ~~(118)~~ of the second input image ~~(106)~~;~~
- ~~- searching for textual information in the first parts; and~~
- ~~- comparing parts of the textual information with a predetermined string of characters.~~

10. (Currently Amended) TV comprising an the image display apparatus ~~(400)~~ according to Claim 1.

11. (New) A method of displaying a series of consecutive

PATENT

Serial No. 10/506,833

Amendment in Reply to Office Action mailed on December 15, 2005

output images which are based on a series of consecutive input images, with the series of consecutive input images comprising a first image and a second image, the method comprising the acts of:

splitting the consecutive input images into respective first parts and respective second parts;

displaying a first one of the output images comprising a first block of pixels corresponding to the first part of the first input image and a second block of pixels corresponding to the second part of the second input image;

estimating motion in the first parts;

calculating a time period during which a particular part of the first parts moves from a first predetermined location relative to the display device to a second predetermined location relative to the display device; and

selecting a further one of the first parts of a further input image on basis of the time period.

12. (New) A display apparatus comprising:

an input configured to receive input images having corresponding first input parts and second input parts; and

PATENT

Serial No. 10/506,833

Amendment in Reply to Office Action mailed on December 15, 2005

a display device configured to display output images having said corresponding first input parts and output parts;

wherein a predetermined number of said output images have said output parts corresponding to one second input part of said second input parts so that said one second input part is constantly displayed over said predetermined number of said output images.

13. (New) The display apparatus of claim 12, wherein said corresponding first input parts and said output parts of said output images are separated by a separator, said separator being controllable by a user.

14. (New) The display apparatus of claim 12, wherein said corresponding first input parts and said output parts of said output images are separated by a separator, said separator being a line.

15. (New) The display apparatus of claim 12, wherein said corresponding first input parts and said output parts of said output images are separated by a separator, said separator being a

PATENT
Serial No. 10/506,833
Amendment in Reply to Office Action mailed on December 15, 2005

box.

16. (New) The display apparatus of claim 12, further comprising:

a motion estimation unit for estimating motion in said second input parts of said input images;

a processor configured to calculate a time period during which a particular part of said second input parts moves from a first predetermined location relative to the display device to a second predetermined location relative to the display device; and

a selector to select a further one of said second input parts of a further input image on basis of the time period.

17. (New) The display apparatus of claim 12, further comprising:

a character analyzer configured to search for textual information in said second input parts of said input images; and

a comparator configured to compare parts of the textual information with a predetermined string of characters.

PATENT

Serial No. 10/506,833

Amendment in Reply to Office Action mailed on December 15, 2005

18. (New) The display apparatus of claim 12, wherein said second input parts include a banner.

19. (New) The display apparatus of claim 12, wherein said second input parts include a subtitle.